

MIKUSINSKI, J.; SIKORSKI, R. —

The elementary theory of distributions. II. Rozprawy matemat. 25-3-47 '61

SIKORSKI, R.

POLAND

Not given (Warsaw)

Warsaw, Colloquium Mathematicum, No. 2, 1962, pp 171-182

"On Open Theories"

SIKORSKI, Roman (Warsaw)

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Algebra of formalized languages. Colloquium mathem 9 no. 1:1-31 '62.

SIKORSKI, Roman, prof. dr.

Minutes of the Main Executive Board of the Polish Mathematical Society and its activities during the year 1960. Rocz wiad matem 5:127-135 '61.

1. Wicepreses Polskiego Towarzystwa Matematycznego, Warszawa.

MIKUSINSKI, J.; SIKORSKI, R.

The elementary theory of distributions.(II) *Rozpr matemat*  
25:1-46 '61.

1. Polska Akademia Nauk, Instytut Matematyczny, Warszawa.

SIKORSKI, Roman (Warsaw)

The determinant theory in Banach spaces. Col math 8 no.2:141-198 '61.

SIKORSKI, Roman, prof.dr

Report of the Main Executive Board of the Polish Mathematical Society on its activities during the year 1961. Rocznik matematyczny 6 no.1:73-83 '62.

1. Wiceprezes Polskiego Towarzystwa Matematycznego, Warszawa.

MIKUSINSKIY, Ya.[Mikusinski, J.]; SIKORSKIY, R.[Sikorski, R.];  
SHIROKOV, F. [translator]; PRIDANTSEVA, S.V., tekhn.  
red.

[Elementary theory of generalized functions] Elementarnaia  
teoriia obobshchennykh funktsii. Moskva, Izd-vo inostr.  
lit-ry. No.2. 1963. 67 p. (MIRA 17:2)

SIKORSKI, Roman (Warsaw)

Products of generalized algebras and products of realizations.  
Col math 10 no.1:1-13 '63.

SIKORSKI, Roman (Warsaw)

On dense subsets of Boolean algebras. Col math 10 no.2:  
189-192 '63

SIKORSKI, Roman, prof. dr; IWINSKI, Tadeusz, dr

Report on the activities of the Polish Mathematical Society  
for 1962. Rocz wiad matem 7 no.1:139-148 '63.

1. Wiceprezes Polskiego Towarzystwa Matematycznego (for  
Sikorski). 2. Sekretarz Polskiego Towarzystwa Matematycznego  
(for Iwinski).

SIKORSKI, R.; TRACZYK, T. (Warsaw)

On free products of  $m$ -distributive Boolean algebras. Col  
math 11 no.1:13-16 '63.

ACCESSION NR: AT4033604

P/2523/63/011/001/0025/0028

AUTHOR: Sikorski, Roman (Warsaw)

TITLE: A few problems on Boolean algebras

SOURCE: Polska Akademia Nauk. Instytut Matematyczny. Colloquium mathematicum, v. 11, no. 1, 1963, 25-28

TOPIC TAGS: Boolean algebra, search program, logic, computer logic

ABSTRACT: The article presents problems in Boolean algebra based on the author's preceding discussions (Colloquium Mathematicum 8 (1961), 1-13 and Boolean algebras, 2nd ed.). Problem 1. If a Boolean algebra  $\mathcal{A}$  is  $m'$ -complete for every infinite cardinal  $m' < m$ ,  $A, A_i \in \mathcal{A}$ ,  $A = \bigcup_{i \in T} A_i$  and  $T \leq m$ , then there exist elements  $B_i \in \mathcal{A}$  ( $i \in T$ ) such that

$$B_i \subset A_i, \quad B_i \cap B_{i'} = 0 \quad \text{for } i \neq i' \text{ and } A = \bigcup_{i \in T} B_i.$$

Is this theorem true without the hypothesis that  $\mathcal{A}$  is  $m'$ -complete for every  $m' < m$ ? Problem 2. Find, for every uncountable cardinal  $m$ , a Boolean  $m$ -algebra  $\mathcal{A}$  with the property: if the join  $\bigcup_{i \in T} A_i$  exists in  $\mathcal{A}$  and  $T \leq m$ , then there exists a finite subset  $T' \subset T$  such that  $\bigcup_{i \in T} A_i = \bigcup_{i \in T'} A_i$ .

Card 1/2

SIKORSKI, Roman

On extensions and products of Boolean algebras. *Fund math* 53  
no.1:99-116 '63.

1. Institute of Mathematics, Polish Academy of Sciences, Warsaw.

SIKORSKI, R. (Warszawa)

Determinants in Banach spaces. Studia math Ser spec no.1:111-116  
'63.

SIKORSKI, Roman, prof. dr; IWINSKI, Tadeusz, dr

Report on the activities of the Polish Mathematical Society  
for the year 1963. Rocznik matematyczny 7 no.2:253-265 '64.

1. Vice President, Polish Mathematical Society, Warsaw (for  
Sikorski). 2. Secretary, Polish Mathematical Society, Warsaw  
(for Iwinski).

*Tadeusz, Sikorski, E. T.*

✓12433\* (Polish.) Protective Products From Melamine. Melaminowe tworzywa powłokowe. Ryszard Tadeusz Sikorski. Wiadomości Chemiczne, v. 10, no. 5, May 1966, p. 233-266. Melamine (2, 4, 6 - triamino - 1, 3, 5 - triazine), reacting with aldehydes, produces resins which, with certain changes, are characterized by high resistance to chemical action, water, and higher temperatures, and have good electrical and mechanical properties.

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*M.A. YOUTZ*  
*occipies*

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158070

39116  
S/081/62/000/012/054/063  
B158/B101

AUTHORS: Sikorski, Ryszard T., Rabek, Tadeusz I., Skwara, Jan

TITLE: Preparation of polyacrylates of polyvalent metals and tests on their application as desiccants

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 12, 1962, 605; abstract 12P220 (Tworzywa wielkocząsteczkowe, v. 6, no. 5, 1961, 133-136)

TEXT: Optimum conditions for polymerization of acrylonitrile in a reducing medium (persulfate-pyrosulfate) are established; temperature of 50°C; time 2.5 hours; yield 79%. A mixture of 1 mole of polyacrylonitrile with 1.2 moles of NaOH in 600 ml of water is heated for 13 hours at 110°C until the colour has disappeared, neutralized with 0.5 N HCl to pH 8, 150 ml CH<sub>3</sub>OH added, filtered off, the precipitate washed with CH<sub>3</sub>OH until Cl<sup>-</sup> has been completely removed, and a 9% yield of polyacrylic acid (I) is obtained. By varying the amount of NaOH, the temperature and the reaction time, yields of 85-96% of I are obtained. Tests were carried

Card 1/2

Preparation of polyacrylates of ...

S/081/62/000/012/054/063  
B158/B101

out on esterification of salts of I. A solution of 0.18 moles of K salt of I in 80 ml water and 0.18 moles of iso-C<sub>3</sub>H<sub>7</sub>Br are boiled for 8 hours, 200 ml of C<sub>2</sub>H<sub>5</sub>OH are added, the precipitate filtered off by suction, and washed with C<sub>2</sub>H<sub>5</sub>OH until Br<sup>-</sup> has been removed; the ester yield is 34%. In the case of a 50% excess of iso-C<sub>3</sub>H<sub>7</sub>Br and reaction times of 15 and 23 hours, the ester yields are 57 and 83%, respectively. It is found that Co, Mn, Pb, and Al salts of I are insoluble. Co, Mn, and Pb salts of I when introduced into films of oil accelerate drying by 35%, while usual desiccants do so by 85%. Al salts give the films a dull hue. [Abstracter's note: Complete translation.]

Card 2/2

15-8070

31164  
G/004/61/008/012/001/002  
D029/D109

AUTHORS: Sikorski, R.T., Rabek, T.I., and Skwara, J.  
TITLE: Synthesis and properties of polyacrylic acid salts of multivalent metals  
PERIODICAL: Plaste und Kautschuk, v. 8, no. 12, 1961, 591-593

TEXT: Esterification of Na-polyacrylate with i-propylbromide produces ester salts with a degree of esterification of 34% if the mol ratio of reagents amounts to 1:1 (reaction time 8 hrs). If the mol ratio amounts to 1:1.5 and the reaction time is 15 or 23 hrs, a degree of esterification of 57 or 84% is obtained. Salts of the polyacrylic acid with multivalent metals contain only approximately 10% of free carboxylic groups. Ester salts have nearly the same properties as analogous polyacrylates. Polyacrylates used as driers shorten the drying time of oil varnish only by 35%. Qualitative tests showed that Al-polyacrylate can be used as dulling agent. The authors conducted the examination in order to obtain the synthesis of some polyacrylic acid salts and to investigate their properties and possibilities of use. Conclusions: 1) If an aqueous solution of potassium polyacrylate reacts with i-propylbromide, a partial ester of the polyacrylic acid is obtained. The Card 1/2

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G/004/61/008/012/001/002  
DC29/D109

Synthesis and properties...

degree of esterification depends on the mol ratio of the reagents and on the reaction time. 2) The obtained Co-, Mn-, Pb-, and Al-polyacrylates are insoluble and infusible, independent of the mol ratio polymer/metal. 3) Emulsions of such salts in oil varnishes speed up the drying process to a lesser extent than classical driers. 4) Salts of polyacrylic acid with multivalent metals or their partial esters can be used as catalysts or pigments. 5) Polymers chlorinated in presence of Al-polyacrylate catalyst have better properties (higher stability, no metal in the product) than polymers chlorinated in the presence of corresponding salts. There are 8 tables and 4 references: 2 Soviet-bloc and 2 non-Soviet-bloc. The reference to the English language publication reads: H. Mark, and H. Fikenteicher, US Pat. 1984417. X

ASSOCIATION Institute for Chemistry and Technology of Plastics of the Wrocław Institute of Technology

Card 2/1

HALIKOWSKI, B.; KALINOWSKA, B.; NAWARECKI, B.; SIKORSKI, S.; WNUK, A.

Functional disorders of renal carbonic anhydrases in so-called cerebral phase of tuberculous meningitis in children; preliminary communication. *Pediatr. polska* 31 no.8:859-865 Aug 56.

1. Z Oddziału Pediatricz. Inst. Gruzlicy, W Sanatorium im. J. Marchlewskiego w Otwocku Kier. prof. dr. med. Fr. Groer, Otwock, ul. Korczaka, 5, Sanatorium im. J. Marchlewskiego.  
(TUBERCULOSIS, MENINGEAL, in infant and child,  
kidney carbonic anhydrase disord. in (Pol))  
(KIDNEYS, metabolism,  
carbonic anhydrase, disord. in tuberc. meningitis in  
child. (Pol))  
(HYDRASES,  
carbonic anhydrase, renal disord. in tuberc. meningitis  
in child. (Pol))

POLAND/Electronics - Semiconductors.

H-

Abs Jour : Ref Zhur Fiziki, No 3, 1960, 6422

Author : Majewski, Z., Sikorski, S., Swiderski, J.

Inst : -

Title : On the Relation Between Anomalous Resistivity and Concentration Gradient of Carriers in Germanium

Orig Pub : Bull. Acad. polon. sci. Ser. sci. techn., 1959, 7, No 6, 401-406

Abstract : In the measurements of the specific electric resistivity of Ge by the two-probe method, the results are considerably higher than the specific resistivity of pure Ge. These anomalous values of the resistance depend on the voltage and on the direction of the current used in the measurements. It has been noted that this phenomenon is accompanied by the appearance of a volume photo-emf the behavior of which is connected with a character of the nonlinearity of the specific electric resistivity, and it

Card 1/2

SIKORSKI, J.

Effect of the bulk photovoltaic effect in silicon detectors.  
Archiw. elektrotech. 13 no.2:187-199 1961.

1. Department of Electronics, Institute of Basic Technical  
Problems, Polish Academy of Sciences, Warsaw. Submitted January  
17, 1961.

SIKORSKI, S.

Bulk photoelectromagnetic effect in a nonhomogeneous semiconductor.  
Bul Ac Pol tech 8 no.7:371-378 '60. (EEAI 10:3)

1. Department of Electronics, Institute of Basic Technical Problems,  
Polish Academy of Sciences. Presented by J.Groszkowski.  
(Semiconductors) (Photoelectricity)  
(Electric fields) (Magnetic fields)

SIKORSKI, Stanislaw

Volume photovoltaic effect in spot and line lighting.  
Przegl elektroniki 4 no. 5/6: 310-312 My-Je '63.

1. Zaklad Elektroniki, Instytut Podstawowych Problemow  
Techniki, Polska Akademia Nauk, Warszawa.

KRAWCZUK, Aleksander; ...; Marian; MALIK, Kazimierz; SIKORSKI, Tadeusz;  
MALIK, Andrzej

Clinical and endohormonal evaluation of menopausal women. Ginek.  
Pol. 36 no.5:554-554 My '65.

1. Z I Kliniki Położnictwa i Chorob Kobietych AM w Białymstoku  
(Kierownik: prof. dr. med. S. Soszka).

SIKORSKI, Tadeusz; ZAWISTOWSKA, Eugenia

Studies on the 17-ketosteroids fraction in the urine of women during menopause. Ginek. Pol. 36 no.5:555-561 My '65.

1. Z I Kliniki Położnictwa i Chorob Kobięcych AM w Białymstoku (Kierownik: prof. dr. med. S. Soszka).

KEAWCZUK, Aleksander; SZAMATOWICZ, Marian; SIKORSKI, Tadeusz

Urinary excretion of corticoids in 9-year-old girls. Ginek.  
Pol. 36 no.10:1137-1139 0 '65.

1. Z I Kliniki Położnictwa i Chorób Kobietych AM w Białym-  
stoku (Kierownik: prof. dr. med. S. Soszka).

JAKOWICKI, Jerzy; SIKORSKI, Tadeusz Krzysztof

Preliminary investigations on the 24 hours rythm of estril excretion in advanced pregnancy. Ginek. Pol. 36 no. 12:1399-1403 D ' 65.

1. Z I Kliniki Poloznictwa i Chorob Kobietych Akademii Medycznej w Bialymstoku (Kierownik: prof. dr. med. S. Soszka).

ACCESSION NR: AP4043933

P/0019/64/013/002/0187/0219

AUTHOR: Sikorski, S.

TITLE: Electric field of the bulk photovoltaic effect in semiconductors

SOURCE: Archiwum elektrotechniki, v. 13, no. 2, 1964, 187-219

TOPIC TAGS: semiconductor, bulk photovoltaic effect, electric field, voltage distribution, potential distribution, linear lighting, spot lighting

ABSTRACT: This article contains equations, together with general and approximate solutions using the Green function and based on the integral equations theory, for the electric field of the bulk photovoltaic effect in semiconductors. The results are used for computing the distribution of the potential and voltage on the electrodes for cases of practical importance, as well as for computing the potential distribution in a rectangular plate of arbitrary thickness with linear lighting. Precise calculations show that known formulas and simplified assumptions can be used in making the necessary computations. The voltage computation on electrodes of a rectangular plate with spot lighting presents the most important results obtained from the calculations. Orig. art. has: 145 formulas and 25 figures.

Card 1/2

SIKORSKI, W.

SIKORSKI, W., WACHOWIAK, T.

"Proper production of building ceramics." p. 33. (MATERIALY BUDOWLANE, Vol. 8, no. 2, Feb. 1953, Warszawa, Poland)

SO: Monthly List of East European Accessions, L. C., Vol. 3, No. 5, May 1954, Uncl.

SIKORSKI, W.

"Dry bricklaying." p. 208. (MATERIALY BUDOWLANE, Vol. 8, no. 7, July 1953, Warszawa, Poland)

SO: Monthly List of East European Accessions, L. C., Vol. 3, No. 5, May 1954, Uncl.

*SIKORSKI, W.*

SIKORSKI, W., WACHOWIAK, T.

"Hollow tile as an improved building material." p. 332. (MATERIALY BUDOWLANE, Vol. 8, no. 12, Dec. 1953, Warszawa, Poland)

SO: Monthly List of East European Accessions, L. C., Vol. 3, No. 5, May 1954, Uncl.

SIKORSKI, W

POLAND/Chemical Technology - Chemical Products  
and Their Applications - Silicates.  
Glass. Ceramics. Binders.

I-10

Abs Jour : Ref Zhur - Khimiya, No 3, 1957, 9001  
Author : Sikorski, W. and Wachowiak, T.  
Inst :  
Title : Advances in the Ceramics Industry.  
Orig Pub : Mater. budowl., 1956, 11, No 8, 225-227.

Abstract : Methods of increasing the output of the brick  
and tile factories of the Polish Peoples  
Republic to 5-6 billion units without large  
capital investments are discussed. Among the  
methods discussed are the following: (a) mo-  
dernization of natural drying areas by the  
large-scale application of portable ventilators  
and the utilization of the waste heat from the  
furnaces; these improvements can extend the

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POLAND/Chemical Technology - Chemical Products  
and Their Applications - Silicates.  
Glass. Ceramics. Binders.

I-10

Abs Jour : Ref Zhur - Khimiya, No 3, 1957, 9001

operation of seasonal brick factories from 7-9 months and increase the raw brick output per square meter of floor area from 1 -1.3 to 4.5 thousand units; (b) conversion from full brick to hollow brick production; at the present time 75% of the bricks produced in the PPR are of the full type, whereas the corresponding figure for Italy, France, and the German Federal Republic is 10-15%; (c) conversion to the production of thin Marseilles tile in place of flat tile, as well as the engobing of the tile with silicon, which permits a 66% reduction in weight of the tile and reduces the roofing costs over 25-50 years.

Card 2/2

SINCRSKI, Z.

"Electrostatic smoking," Przemysl Polny I Spozywczy, Warszawa, Vol 8, No 5,  
May 1954, p. 158.

SO: Eastern European Accessions List, Vol 3, No 11, Nov 1954, L.C.

1. 1. 1.

Electronic collection of Phil. 1. 1.  
Vol. 1, no. 1, Jan. 1955.

2. 1. 1. List of East European Accessions, (SIA), 10, Vol. 1, no. 10, Oct. 1955,  
Phil.

POLAND/Chemical Technology - Chemical Products and Their  
Application, Part 3. - Food Industry.

H-29

Abs Jour : Ref Zhur .. Khimiya, No 14, 1958, 48604

Author : - Z. Sikorski

Inst :

Title : Equipment for Electrostatic Smoking.

Orig Pub : Techn. i gospod. morska, 1956, 6, No 9, 245-248

Abstract : Brief description of equipment for electrostatic smoking constructed by following companies: Fish and Wildlife Service for smoking sardines in jars, Smoking and Curing Co. (Los Angeles), Japanese company for producing liquids for smoking, Norddeutsche Apparatebau (Hamburg), Kingan Inc. (Indianapolis), as well as of equipment constructed in USSR. The advantages of electrostatic smoking as compared with present method are pointed out. Schemes of installations are presented.  
Bibliography with 13 titles.

Card 1/1

SIKORSKI, Z.

SIKORSKI, Z. Electrostatic curing of meat. p. 9.

Vol. 8, no. 10, Oct. 1956

GOSPODARKA MIESNA

FOOD AND AGRICULTURE

Warszawa, Poland

So: East European Accession Vol. 4, No. 3, March 1957

*Sikorski, Z.*  
POLAND / Chemical Technology. Food Industry.

H-28

Abs Jour : Ref Zhur-Khim., No 12, 1958, No 41485

Author

: *Sikorski, Z.*

Inst

: -

Title

: Application of the Electrostatic Method of Curing in the Fish Industry.

Orig Pub : Przem. spozywczy, 1956, 10, No. 9, 370-373.

Abstract : Excellent quality of herring is obtained when herring is cured by an electrostatic method for 5 minutes at 14Kv. The curing time can be reduced by use of IR heat radiation. A careful control and regulation of the smoke density and moisture is necessary.

Card 1/1

5

SIKORSKI, Z.

SIKORSKI, Z. Problems of the management of the maintenance and repairs of port facilities. p. 321. Vol. 6, no. 12, Dec. 1956. TECHNIKA I GOSPODARKA MORSKA. Gdansk Poland

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4-April 1957

POLAND/Chemical Technology - Food Industry.

H-28

Abs Jour : Ref Zhur - Khimiya, No 24, 1958, 83422

Author : Tlgnier, D., Sikorski, Z.

Inst : -

Title : The Achievements in the Technology of Freezing and the Refrigerated Storage of Fish.

Orig Pub : Przen. spozywczy, 1957, 11, No 5, 191-196.

Abstract : The methods for freezing fish are presented: in air, in cooled brine, by contact, in blocks; the effect of the freezing conditions and storage upon the quality of the fish is emphasized, the negative points of the mentioned methods are pointed out.

Card 1/1

SIKORSKI, Z.

TECHNOLOGY

Periodicals: PRZEMISL SPOZYWCZY. Vol. 12, no. 9, Sept. 1958

SIKORSKI, Z. The problem of freezing fish at sea. p. 355.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 2,  
February 1959, Unclass.

SIKORSKI, Z.; TILCHER, D.

Electrostatic smoking of meat products. Pt. 2. Cost accounting and the problem of industrial application. (to be cont.) p. 11

GOSPODARKA MIESNA (Polskie Wyeawnictwa Gospodarcze) Warszawa, Poland.  
Vol. 11, no. 5, May 1959

Monthly List of East European Accessions (EFAI) LC, Vol. 6, no. 9, Sept. 1959  
Uncl.

SIKORSKI, Z.; TILGNER, D.

Electrostatic smoking of meat products. Pt. 3. p. 8

GOSPODARKA MIESNA (Polskie Wydawnictwa Gospodarcze) Warszawa, Poland  
Vol . 11, no. 6, June 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 9, Sept 1959  
Uncl.

SIKORSKI, Z.

Trends in the development of the assembly line of the production of canned fish; an example of an analysis of a plant in the German Federal Republic  
p.304

PRZEMYSŁ SPOŻYWCZY. (Stowarzyszenie Naukowo-Techniczne Inżynierów i Techników Przemysłu Spożywczego) Warszawa, Poland  
Vol.13, no.83, Mar. 1959

Monthly list of East European Accessions (EEAI) LC, Vol.9, no.1, Jan. 1960

Uncl.

SIKORSKI, Zbigniew

New method of detecting defects in aerial lines. Przegl elektrotech  
39 no.5:194-195 My '63.

1. Instytut Automatyki Systemow Energetycznych, Warszawa.

~~SIKORSKIS, R.~~

Problems that must be solved. Fin. SSSR 19 no.2:40-42 P '58.  
(MIRA 11:3)

1. Ministr finansov Litovskoy SSR.  
(Lithuania--Finance)  
(Lithuania--Machine-tractor stations)

SIKORSKIS, R.

Economy and finance of the Lithuanian S.S.R. for 20 years. Fin. SSSR  
21 no.8:17-21 Ag '60. (MIRA 13:8)

1. Ministr finansov Litovskoy SSR.  
(Lithuania--Economic conditions)

(Lithuania--Finance)

SIKORSKIY, A., prepodavatel'

let's know our students. Prof. tekhn. otr. 22 no. 10:17-18  
(MIRA 13:10)  
C '65.

1. Kiyevskoye professional'no-tekhnicheskoye uchilishche No.2.

OSTAPENKO, K.A.; KOROPOV, V.M.; POLLENIN, F.S.; SHABINA, M.G.; KARYAGIN, V.I.;  
ZINCHENKO, A.V.; KOSTOMASHVILI, A.; GOGILASHVILI, V.; KUPASHVILI, S.;  
SIKORSKIY, A.

Information and brief news. Veterinariia 41 no.2:119-126 F '65.  
(MIFA 18:3)

SIKORSKIY, A. [Sykors'kyi, A.]

Let's work in the communist way. Sil'. bud. 11 no.5:3-4 My '61.  
(MIRA 14:6)

1. Brigadir Brigadi po virobnitstvu tsementno-pishchanoi  
cherepitsi Kam"yanets'-Podil'skoi mizhkologspnoi budivel'noi  
organizatsii.

(Ukraine--Construction industry)

**SIKORSKIY, A.**

25th anniversary of the Omsk biological products plant. Veterinariia  
32 no.4:95 Ap '55. (NLSA 8:5)

1. Direktor Omskego biokombinata.  
(OMSK--PHARMACEUTICAL INDUSTRY)

SOV/133-58-8-29/30  
AUTHORS: Turchenkova, Ye.K., ~~Sikorskiy, A.I.~~, Yegnus, R.M.,  
Boldyrev, L.I., Raznotina, Ye.T., Engineers, Bol'shakov,  
L.A., Candidate of Technical Sciences, and Gavrikov, V.Z.,  
Engineer

TITLE: Performance of the Coupling Sleeves Made From Nodular Iron  
at the Mill 650 (Rabota soyedinitel'nykh muft iz chuguna  
s sharovidnym grafitom na stane 650)

PERIODICAL: Stal', 1958, Nr 8, pp 763 - 766 (USSR)

ABSTRACT: As the durability of the coupling sleeves of the mill 650  
made from grey iron decreased with increased degree of  
reduction per pass introduced in the rolling practice, the  
use of sleeves made from nodular iron was investigated.  
Four series of experimental smelting of magnesium-inoculated  
iron were carried out. Sleeves from the first series  
were tested as cast and of the remaining series after  
various heat treatments. The chemical composition,  
mechanical, and conditions of thermal treatment are given  
in Table 1. The microstructure of heat-treated metal  
- Figures 1-3, the mould for casting of sleeves - Figure 4,  
the results of service life of sleeves made from nodular  
iron, grey iron and steel - Table 2. On the basis of the  
results obtained, it is concluded that the service life

Card1/2

Performance of the Coupling Sleeves Made from Nodular Iron at the  
Mill 650

BOV/133-58-8-29/30

of sleeves from nodular iron is 4-6 times higher than that of sleeves made from grey iron. The optimum heat treatment is normalisation with subsequent annealing at 580 °C. Sleeves should be cast with the consumption of metal for shrinkage head not less than 20% of the weight of casting. When coupling sleeves are not heat-treated, then the sum of C + Si in nodular iron should be maintained in a range of 5.5-6.0%. There are 5 figures and 2 tables.

ASSOCIATIONS: Zhdanovskiy metallurgicheskiy institut (Zhdanov Metallurgical Institute) and Zavod "Azovstal'" ("Azovstal'" Works)

Card 2/2

1. Couplings--Materials
2. Couplings--Test results
3. Iron--Applications
4. Steel--Applications

SOV/130-58-10-9/18  
AUTHORS: Protasov, N.P., Khlebnikov, V.P., Sikorskiy, A.I.,  
Gonchar, V.V., Stefanov, V.Ye and Boldyrev, L.I.  
TITLE: Improving Accessories on the Reducing Mill of a Heavy-  
Section Mill (Usovershenstvovaniye armatury obzhimnogo  
stana krupnosortnogo tsekha).

PERIODICAL: Metallurg, 1958, Nr.10, pp.25-29 (USSR)

ABSTRACT: It was found that when rolling low-number girders, especially Nr.20 in the reducing stand of a rail-structural mill the metal often displaced the guides, leading to stoppages. The authors give details of guide construction and attachment (Fig.1) and also of special devices provided before each pass (Fig.2) to support the beam from below. This is advantageous for rolling large girders (Nr.30-55) but unreliable for smaller (Nr.18-16) sizes. For rolling these latter when the closed passes are in the bottom roll two variants of guide arrangements have been proposed. In the first special movable vertical supports are provided for the guides, fixed on trapezoidal projections. In the

Card 1/2

SOV/130-58-10-9/18

Improving Accessories on the Reducing Mill of a Heavy-Section Mill.

second a trapezoidal-section bar is fixed to the housing (similar to the guide bars on the finishing line) (Fig.4) which supports one end of the specially shaped guide, the other being held in the pass with the aid of a load. The authors favour the second variant and mention its applicabilities. Its adoption has enabled the load on the finishing line to be reduced by 20-25%. The new roll-pass designs used since March 1957 have led to better roll life, higher productivity and other improvements. The new accessories are especially useful for thin-walled sections, and during the year for which they have been in use no cases of guide displacement have occurred. There are 4 figures.

ASSOCIATION: Zavod "Azovstal'" ("Azovstal'" works).

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SOV/130-58-12-12/21

AUTHORS: Protasov, N.F., Kalebnikov, V.P., Sikorskiy, A.I.,  
Gonchar, V.V., Boldyrev, L.I. and Stefanov, V.Ye.

TITLE: Experience of the Adoption of Profiles for Mine Supports  
(Opyt osvoeniya profiley dlya ~~shakhtnogo~~ krepneniya)

PERIODICAL: Metallurg, 1958, Nr 12, pp 27 - 29 (USSR)

ABSTRACT: The "Azovstal'" works is one of the main suppliers of the more important sections for mine construction and operation. The authors illustrate (Fig 1) sections for props types 18A-18B and 28A-28B and show how the first two fit each other (Fig 2). These sections are rolled from 230 x 285 and 245 x 280 mm blooms in four stands arranged in two lines and the authors outline the pass design and deformations at the various stages. They deal with the production of inclined props to GOST-5157-53. The authors

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SOV/130-58-12-12/21  
Experience of the Adoption of Profiles for Mine Supports

state that the pass designs for pit props developed at the works have improved quality as well as increasing production.

There are 4 figures

ASSOCIATION: "Azovstal'" works

Card 2/2

SIMONOV, A. I.

Sugar--Manufacture and Refining.

Technical department at the trust. Sakh. prom. 26 no. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, June 1952. UNCLASSIFIED.

CHRISTY A. J.

"History of Veterinary Medicine in Western Siberia."

Veterinariya, Vol. 35, No. 12, December 1961, P. 49.

PENICNZHKO, A.M., general-leutenant veterinarnoy sluzhby; KALUGIN, V.I.,  
kand. veterin. nauk; ENDZIN, A.K., polkovnik veterinarnoy sluzhby  
v otstavke; SIKORSKIY, A.N.

From the history of veterinary medicine. Veterinariia 41  
no.2:114-118 F '64. (MIRA 17:12)

KAARLE, I.A., prof.; ENEROVIMOV, V.P.; SEVRUK, O.; LUZYANTIN, D.;  
LESHNIK, E.; POTAPOV, V.M.; SIKORSKIY, A.N.

Brief news. Veterinariia 41 no.6:122-125 Je '64.

(MIRA 18:6)

SIKORSKIY, A.N.

Veterinary medicine in Siberia during the first years of Soviet  
rule. Veterinariia 39 no.11:80-82 N '62. (MIRA 16:10)

PAVLOVSKIY, V.; OSTAPENKO, K.; MENDELEVICH, M.M.; BATANOV, Yu.P.; ANTONETS,  
G.I.; ONIPENKO, N.I.; GORCHAK, G.K.; ANDRIYASH, L.T.; AMELIN, I.;  
IGNATOVICH, N.; CHIZHOV, A.; DALMATOV, M.K.; SIKORSKIY, A.N.; KOVA-  
LENKO, Ya.R.

Information and brief news. Veterinariia 40 no.9:83-93 S '63.  
(MIRA 17:1)

YAKOVLEV, I.I.; NIKOL'SKIY, N.M., personal'nyy pensioner; ZIKORSKIY, A.N.

History of veterinary medicine. Veterinariia 40 no.11:  
80-87 N '63. (MIRA 17:9)

1. Chlen Kommunisticheskoy partii Sovetskogo Soyuza (for  
Nikol'skiy).

SIKORSKIY, I. A.

G-2

Category : USSR/Electricity - Dielectrics

Abs Jour : Ref Zhur - Fizika, No 1, 1957 No 1528

Author : Berdinskiy, I. P., Sikorskiy, I. A., Kopolikova, A. G.

Title : On the Dielectric Constant of Lumber

Orig Pub : Derevoobrabat. prom-st', 1955, No 9, 16-17

Abstract : No abstract

Card : 1/1

Биконкин, Константин Петрович.

An alphabetical subject and geographical index of the basic literature on the Five-Year plan for national economic organization in the USSR, 1928/33. Moskva, Gos. sotsial'noekon. izd-vo, 1931. 164 p. (43-32070)

Z7164.2-45

Sikorskii, Konstantin Petrovich.

Sikorskii, Konstantin Petrovich.

Alfavitno-predmetnyi i geograficheskii ukazatel' k osnovnoi literature po piatiletnemu planu narodnokhoziaistvennogo stroitel'stva SSSR, 1928/29-1932/33; sostavili K. P. Sikorskii i. A. S. Ianovskii, pod red. i s predisl. R. C. Vaisberga.

Moskva, 1931. 164 p.

DLC: Z7164.E2S5

CSt-H NN

SO: LC, Soviet Geography, Part I, 1951, Uncl.

1. SIKORSKIY, K. P. CHAUS, G. K.

2. USSR (600)

4. Mathematics - Study and Teaching

7. Mathematical sessions for pioneers. Mat v shkole No 6 1952.

9. Monthly List of Russian Acquisitions, Library of Congress, April 1953, Uncl.

SIOMSKY, K. P.

Mathematics - Study and Teaching

Organizing a lesson of mathematics, Mat. v shkole No. 1, 1953

Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.

SIKORSKIY, K.P. (Moscow).

Formation of equations according to conditions of the problems.  
Mat.v shkole no.1:38-44 Ja-P '54. (MLRA 7:1)  
(Algebra--Study and teaching)

BOGUSHEVSKIY, Konstantin Sergeyevich; SIKORSKIY, Konstantin Petrovich;  
PAZEL'SKIY, S.V.; MAKHOVA, N.N., ~~tekhnicheskii redaktor~~

[Collection of problems in mathematics for review; manual for  
teachers of classes 5-7 of the secondary school] Sbornik zadach  
po matematike dlia poytoreniia; posobie dlia uchitelei V-VII  
klassov srednei shkoly. Izd. 2-e. Moskva, Gos. uchebno-pedagog.  
izd-vo Ministerstva prosveshcheniia RSFSR, 1955. 167 p. (MLRA 8:7)  
(Mathematics--Problems, exercises, etc)

SIKORSKIY, K.P. (Moscow)

Teaching experience in the 8th class. Mat. v shkole no.4:  
61-69 J1-Ag '55. (NLR 8:9)  
(Algebra--Study and teaching)

SIKORSKIY, K.P.

Teaching practice in the eighth class. Mat. v shkole no.6:45-50  
H-D '55. (MLRA 9:2)

(Mathematics--Study and teaching)

SIDORSKIY, K.P.(Moskva)

Book of arithmetic problems by S.A.Ponomarev and N.I.Syrnev.  
Mat. v shkole no.2:60-64 Mr-Apr '56. (MLRA 9:6)  
(Arithmetic--Problems, exercises, etc.)(Ponomarev, Semen Alek-  
seevich) (Syrnev, Nikolai Ivanovich)

SIKORSKIY, K.P. (Moskva)

Students' knowledge of algebra. Mat.v shkole no.2:12-16 My-Ap '57.  
(MLRA 10:5)

(Algebra--Study and teaching)

SIEDORSKIY, K.F. (Sedakva); BEKAREVICH, A.N. (Gonel'); BUDANTSEV, P.A. (Chkalov).

"Algebra textbook, part 1, for grades 6 and 7 of the seven-year school and high school" by A.N.Barsukov. Reviewed by K.P.Sikorakii, A.N.Bekarevich, P.A.Budantsev. Mat.v shkole no.5:46-65 S-O '57.  
(MIRA 10:3)

(Algebra--Textbooks)

BOGUSHEVSKIY, K.S., SIKORSKIY, K.P.; LEPESHKINA, N.I., red.; KREYS, I.G.,  
tekhn. red.

[Practical instructions for teaching algebra and geometry in the  
8th grade] Metodicheskiy ukazaniia k prepodavaniiu algebr i  
geometrii v VIII klasse. Moskva, Gos. uchebno-pedagog. izd-vo  
M-va osv. RSFSR, 1958. 175 p. (MIRA 11:11)  
(Algebra--Study and teaching)  
(Geometry--Study and teaching)

BOGUSHCHEVSKIY, Konstantin Sergeyevich, uchitel'-metodist; SIKORSKIY,  
Konstantin Petrovich, uchitel'-metodist; LKPECHKINA, N.I., red.;  
MAKHOVA, N.N., tekhn.red.

[Methodological instructions for teaching mathematics in the  
ninth grade] Metodicheskie ukazania k prepodavaniiu matematiki  
v IX klasse; posobie dlia uchitelei. Moskva, Gos.uchebno-pedagog.  
izd-vo M-va prosv.RSFSR, 1959. 183 p. (MIRA 13:4)  
(Mathematics--Study and teaching)

BRADIS, Vladimir Modestovich; ISTOMINA, Nataliya Sergeyevna;  
MARKUSHEVICH, Aleksey Ivanovich; SIKORSKIY, Konstantin  
Petrovich; KAPUSTINA, V.S., red.; KORNEYEVA, V.I.,  
tekhn.red.

[Algebra; textbook] Algebra; uchebnoe posobie. Pod red.  
A.I.Markushevicha. Izd.2., perer. Moskva, Gos.uchebno-  
pedagog.izd-vo M-va prosv.RSFSR. Pt.2. 1960. 349 p.  
(MIRA 14:3)

(Algebra--Study and teaching)

BEZSONOV, P.A. (Moskva); BELYAYEV, V.I. (Kolomna); BUDAITSEV, P.A.  
(Orenburg); KABANOV, G.I. (Melekes); MAYOROV, S.V. (Moskva);  
MURAVIN, K.S. (Moskva); PREDEIN, P.G. (Gubakha, Permskoy oblasti);  
SIKORSKIY, K.P. (Moskva); TARASYUK, V.Ye. (Kiyev); KHABIB, R.A.  
(Samarkand).

Discussing plans of programs. Mat.v shkole no.1:4-24 Ja-F '60.  
(MIRA 13:5)

1. Zaveduyushchiy kafedroy vysshey matematiki Moskovskogo instituta  
khimicheskogo mashinostroyeniya (for Bezsonov).  
(Mathematics--Study and teaching)

ZAGOSHINA, Ye.D.; SINORSKIY, K.P. (Moskva)

Methodical hints pertaining to the teaching of mathematics in  
the 5th and 6th grades. Mat. v shkole no. 6:45-53 I-D '60.

(NIA 14:2)

(Mathematics--Study and teaching)

GORDIYENKO, A.I.; SHLOBOV, E. (Moscow)

Exercises on the topic "Integration." (Mathematics, no. 5:26-  
30 SEP 1961. (Mathematics exercises 14:10)

ZAGOSKINA, Ye.D.; SIKORSKIY, K.P.; VELICHKOVSKIY, Ye.I., red.;  
KREKSHINA, L., red. izd-va; YAKOVLEVA, Ye., tekhn. red.

[Special aspects of teaching mathematics in grades 5-7 according to the new program; methodological instructions for Moscow teachers] Osobennosti prepodavaniia matematiki v V-VII klassakh po novoi programme; metodicheskie ukazania dlia uchitelei g. Moskvyy. Moskva, Mosk.rabochii, 1962. 84 p.  
(MIRA 15:7)

1. Moscow. Gorodskoy institut usovershenstvovaniya uchiteley.  
(Mathematics—Study and teaching)

ZAGOSKINA, Ye.D.; SIKORSKIY, K.P.; ZEVINA, A.N., otv. red.; VORONKOV, M.I., red.

[Recommended mathematics curriculum for the second half of the 1962-1963 school-year (grade 5 to 11)] Primernyi plan raboty po matematike vo vtorom polugodii 1962-1963 uchebnogo goda (V-XI klassy). Moskva, 1963. 83 p. (MIRA 16:8)

1. Moscow. Gorodskoy institut usovershenstvovaniya uchiteley.
  2. Direktor Moskovskogo gorodskogo instituta usovershenstvovaniya uchiteley (for Zevina).
- (Mathematics--Study and teaching)

SIKORSKIY, K.P. (Moskva)

Efficient conduct of a lesson is a right way to improve the  
quality of student knowledge. Mat.v shkole no.5:18-23 S-O '62.  
(MIRA 15:12)

(Mathematics—Study and teaching)

SIKORSKI, K.P. [Sikorskiy, K.P.] (Moskva)

Effective teaching, a real way toward qualitative improvement  
of the knowledge of students. Mat i fiz Bulg 6 no.2:21-27  
Mr-Ap '63.

SIXORSKIY, N.

Urgent needs of a local spa. Okhr. truda i sets. strakh.  
no.2:81-82 Ag '58. (MIRA 12:1)

1. Predsedatel' Zhdanovskoy sekcii nauchno-kurortnogo soвета,  
glavnyy vrach Sanatoriya No.1, Donbass.  
(Don Valley---Health resorts, watering places, etc.)

KALISHUK, Aleksandr Luk'yanovich, kand. tekhn. nauk, dots.;  
TRET'YAKOV, Lev Dmitriyevich, kand. tekhn. nauk, dots.;  
STEFANOV, Boris Vladimirovich, kand. tekhn. nauk, dots.;  
NOVGORODSKIY, Mikhail Avramovich, st. prepod., kand.  
tekhn. nauk; ANTONENKO, Grigoriy Yakovlevich, assistant;  
RUSANOVA, Nina Georgiyevna, assistant; SIKORSKIY, Oleg  
Nikolayevich, assistant; ALEKSANDROVSKIY, A.Ya., red.

[Manual on the manufacture of precast reinforced concrete]  
Spravochnik po proizvodstvu sbornogo zhelezobetona. [By]  
A.L.Kalishuk i dr. Kiev, Izd-vo Budivel'nyk, 1964. 345 p.  
(MIRA 17:7)

1. Kafedra tekhnologii sbornogo zhelezobetona Kiyevskogo  
inzhenerno-stroitel'nogo instituta (for all except  
Aleksandrovskiy). 2. Zaveduyushchiy kafedroy tekhnologii  
sbornogo zhelezobetona Kiyevskogo inzhenerno-stroitel'nogo  
instituta (for Kalishuk).

SIKORSKIY, V.

Privileges of women workers during pregnancy and after the birth of a child. Okhr. truda i sots. strakh. no.3:73-74 S '58. (MIRA 12:1)

1. Zamestitel' zaveduyushchego otdelom Vsesoyuznogo tsentral'nogo soveta profsoyuzov po gosudarstvennomu sotsial nomu strakhevaniyu.  
(Maternal and infant welfare--Law and legislation)

GOL'DBERG, I.V., inzhener; SIKORSKIY, V.I., inzhener.

Supplying alternating current to switching circuits of  
solenoid actuating mechanisms for breakers by application  
of semiconductors. Energetik 5 no.1:4-6 Ja '57. (MLRA 10:2)

(Electric circuit breakers)  
(Electric current rectifiers)

MARTOVITSKIY, Viktor Ignat'yevich; SIKORSKIY, V.M., otv. red.;  
SMIRNOVA, K.M., red.; BELEN'KAYA, I.Ye., tekhn. red.

[The party's slogan "Look to the rural areas" and its realization in White Russia during 1924 and 1925] Lozung partii "Litsom k derevne!" i ego osushchestvlenie v BSSR v 1924-1925 gg. Minsk, Izd-vo M-va vysshego, srednebo spetsial'nogo i professional'nogo obrazovaniia BSSR, 1961. 134 p. (MIRA 15:1)  
(White Russia--Agricultural policy)

SIKORSKIY, Vsevolod Mikhaylovich, glav. red.

[Communist Party of the Soviet Union in the struggle for the further development of the national economy of the republic in the postwar years] KPB v bor'be za dal'neishee razvitie narodnogo khoziaistva respublik v poslevoennye gody. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1961. 269 p. (MIRA 15:10)

(White Russia--Communist Party of the Soviet Union)

(White Russia--Economic conditions)

SIKORSKIY, V. V.

Dissertation defended for the degree of Candidate of Philological Sciences at the  
Institute of the Peoples of Asia 1962

"Problem of the History of the Formation of Modern Indonesian Literature."

Vestnik Akad. Nauk, No. 4, 1963, pp 119-145

SIKORSKIY, V.Ye, inzh.

Load-lifting capacity limiter with a mercury contact. Bezop.truda  
v prom. 4 no.4:30-31 Ap '60. (MIRA 13:9)

1. Upravleniye Khar'kovskogo okruga Gosgortekhnadzora USSR.  
(Cranes, derricks, etc.--Safety appliances)

SIKORSKIY, V.Ye., inzh.

Oil separator for air collectors. Bezop.truda v prom. <sup>6</sup>  
no.3:31 Mr '62. (MIRA 15:3)

1. Gosgortekhnadzor USSR.  
(Air compressors--Safety appliances)

Dr. SIKORSKIY Yu. A.

AI-2, Mechanism structure

Abstract: Large inhomogeneous dielectric materials (Copolymers and composites) containing a large amount of very small dielectric particles (e.g., 10 nm) in the form of dispersed phase (e.g., 10 nm) in the matrix. The dielectric properties of these materials are studied in the frequency range 10<sup>3</sup> to 10<sup>10</sup> Hz. It is shown that the dielectric properties of these materials are determined by the size of the dispersed phase and the dielectric properties of the matrix. The dielectric properties of these materials are studied in the frequency range 10<sup>3</sup> to 10<sup>10</sup> Hz. It is shown that the dielectric properties of these materials are determined by the size of the dispersed phase and the dielectric properties of the matrix. A. J. E. W.

Lab. Electric Appearances in Dielectrics,  
Tbilisi State Univ.

2A  
Dependence of dielectric losses on the nature of the electrical conductivity of crystals. V. A. Kozlovskii (Phys. and Geophys. Inst. Acad. Sci. (USSR) (Bull. Acad. Sci. USSR Ser. 3, No. 10, 1045-10, 1962) in Russian). The relation between the elec. cond.  $\sigma$  and the angle  $\delta$  of dielec. losses was tested by the bridge method (Coulidge, *Wied. Ann.* 60, 125 (1899)) at a wave length of 100 cm, for KCl and KI as representatives of ionic crystal dielectrics, from room temp. up to 220°. While within this temp. interval  $\sigma$  increases several hundred times,  $\tan \delta$  is found practically const., 0.0027 and 0.0015 for KCl and KI, resp.; consequently, in homogeneous dielectrics with a simple crystal lattice, some elec. cond. is entirely unrelated to dielec. losses; the latter are evidently linked to increased electronic cond. An electronic semiconductor of the "hole" cond. type, KI satd. with iodine (10 hrs. at 550° in a sealed tube, samples 12 x 12 x 8 mm) had  $\tan \delta = 0.00003$  as against 0.00152 for natural KI even though its  $\sigma$  is several hundred times greater than that of plain KI;

thus, electronic cond. of the "hole" type is without relation to dielec. losses. The nature of the observed lowering of  $\tan \delta$  was elucidated by annealing natural KI for 10 hrs. at 550°, as a result of which  $\tan \delta$  dropped to 0.00061; the effect is consequently due entirely to heat-treatment, not to change in the mechanism of elec. cond. It appears that dielec. losses are detd. by the nearly free electrons of the crystal, whereas elec. cond. is linked with the nearly bound electrons of the atoms. The role of photoelectrons was tested on additively colored crystals of KCl, previously kept in the dark for 3 days. Samples subsequently illuminated with white light for 1 min. showed  $\tan \delta = 0.00113$  as against 0.00075 without illumination; hence, excitation increases the losses. N. Thon